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(54) Title: LOW TEMPERATURE METHOD FOR PREPARING TRIMETALLIC NITRIDE ENDOHEDRAL METALLOFULLERENES

(57) Abstract: A method for forming trimetallic nitride endohedral metallofullerenes having the general formula  $A_{3-n}X_nN@C_m$ , wherein A is a first metal, X is an optional second metal, n is an integer from 0-3, and m is an even integer from about 60 to about 200 is described. The method includes heating a mixture of carbon, a first metal, an option second metal, and a nitrogen containing compound in a reactor that has been sealed under vacuum at a temperature and for a time effective to form trimetallic nitride endohedral metallofullerenes.

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# INTERNATIONAL SEARCH REPORT

International application No.

PCT/US03/21692

## A. CLASSIFICATION OF SUBJECT MATTER

IPC(7) : C01F 1/00, C07F 5/00,

US CL : 505/460; 534/11, 15

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

U.S. : 505/460; 534/11, 15

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)  
EAST AND CAS ONLINE

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 6,303,760 B1 (DORN et al.) 16 October 2001, see description of preferred embodiments.	1-16

☐ Further documents are listed in the continuation of Box C.

☐ See parent family annex.

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document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art

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